

AMENDMENTS TO THE CLAIMS

1. (Original) The addition of inflatable and/or compressible and/or controllable lining to stents (medical or non medical) to function as a valve for the flow of fluids or gases through.
 - a. This includes any form of stents including but not limited to metallic, plastic, totally inflatable stents or otherwise of medical or non medical use.
 - b. This includes all shapes of stent designs including but not limited to ring, tubular, cylindrical, cone, pentagonal . . . etc.
 - c. This includes all shapes and materials of linings used for the same purpose including but not limited to Gortex, Teflon, PTFE.
2. (Original) The addition of fixed lining narrowing excluding animal native or treated valves to stents (medical or non medical) to function as a valve for the flow of fluids or gases through.
 - a. This includes any form of stents including but not limited to metallic, plastic, totally inflatable stents or otherwise of medical or non medical use.
 - b. This includes all shapes of stent designs including but not limited to ring, tubular, cylindrical, cone, pentagonal . . . etc.
 - c. This includes all shapes and materials of linings used for the same purpose including but not limited to Gortex, Teflon, PTFE.

Claims 3-6 (Cancelled)

7. (Original) The ball for the valve mechanism is inflatable by CO₂, air, flowable gelatinous material, metallic powder, radioopaque fluid or hardening agent.

8. (Currently amended) The ball for the valve mechanism according to claim 7, further comprising a check valve for inflation or deflation.
9. (Currently amended) The inflatable ball according to claim 8, wherein the check valve for inflation is of a breakaway design to permit separation from the means for injecting.
10. (Currently amended) The ball for the valve mechanism according to claim 7, where the one way valve comprises a plug of an elastomer having a slit through which closes upon application of pressure within the tubing.
11. (Currently amended) The ball for the valve mechanism according to claim 7, where the ball is linked to the stent by a ribbon of biologically inert material to allow limited mobility of the ball and/or inflation or deflation of the ball alone or with the stent.
12. (Currently amended) The ball for the valve mechanism according to claim 7, where the ball is separate from the stent.
13. (Currently amended) The ball for the valve mechanism according to claim 7, that is modifiable and retrievable after implantation to allow further sizing as needed.
14. (Currently amended) The lining of claim 1 ~~and 2~~ that is fabricated solely or at least partly from a semipermeable membrane, and wherein the hollow wall has disposed hydrophilic material capable of absorbing a liquid to thereby increase the volume of said material.

The final shape may be appropriate or modifiable by ballooning from the lumen or by inflation.

15. (Original) The lining of claim 14 that is fabricated from a semipermeable membrane, and wherein the hollow wall has disposed hydrophilic material that is a gel.
16. (Cancelled)

17. (New) The lining of claim 2 that is fabricated solely or at least partly from a semipermeable membrane, and wherein the hollow wall has disposed hydrophilic material capable of absorbing a liquid to thereby increase the volume of said material. The final shape may be appropriate or modifiable by ballooning from the lumen or by inflation.
18. (New) The lining of claim 17 that is fabricated from a semipermeable membrane, and wherein the hollow wall has disposed hydrophilic material that is a gel.